

Product datasheet for **TA383881M**

Caspase 8 (CASP8) Mouse Monoclonal Antibody [Clone ID: 4C2-3G4-5G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4C2-3G4-5G7
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/1000-2000 IHC: 1/200-500 ICC: 1/200
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Protein of Caspase-8
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Observed MW (kDa):43,57
Gene Name:	caspase 8
Database Link:	Entrez Gene 841 Human Q14790

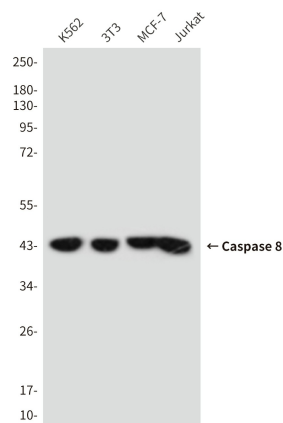
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Background:

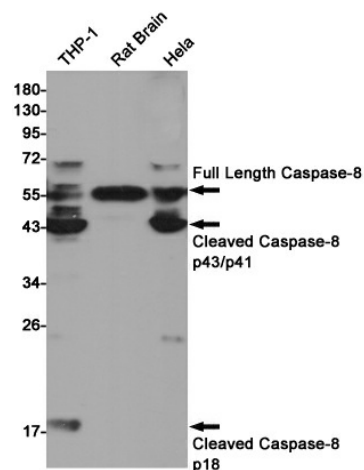
Swiss-Prot Acc.Q14790. Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-|-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.

Synonyms:

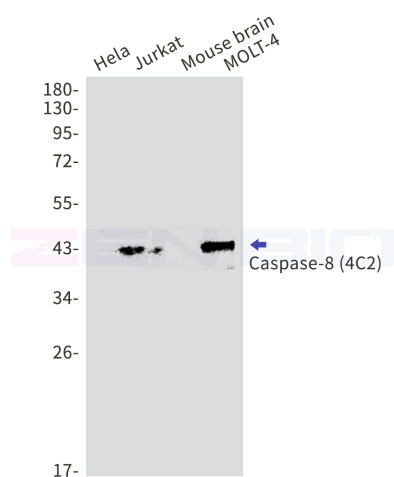
ALPS2B; CAP4; Casp-8; FLICE; FLJ17672; MACH; MCH5; MGC78473; OTTHUMP00000163720

Product images:


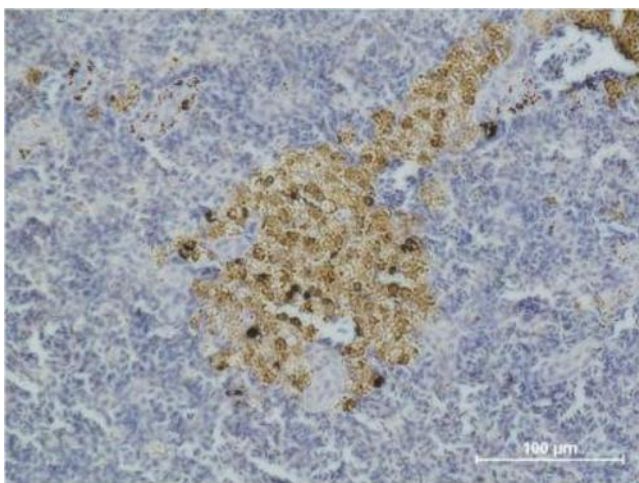
Western blot analysis of Caspase 8 in K562, 3T3, MCF-7 and Jurkat lysates using Caspase 8 antibody.



Western blot detection of Caspase-8 in THP-1, Rat Brain, HeLa cell lysates using Caspase-8 (4C2) Mouse mAb (1:1000 diluted). Predicted band size: 54/43/18 kDa. Observed band size: 54/43/18 kDa.



Western blot detection of Caspase-8 (4C2) in HeLa, Jurkat, Mouse brain, MOLT-4 cell lysates using Caspase-8 (4C2) antibody. Observed band size: 43, 57 kDa.



Immunohistochemical analysis of paraffin-embedded Mouse Spleen Tissue using Caspase8 Mouse mAb diluted at 1:500.